CONFINED ANIMAL FEEDING OPERATIONS (CAFO'S)

(MARCH 2006)

Required Contacts and/or Report Distribution: **(BOLD = REQUIRED CONTACTS)**

- The **Regional Office Director** and **MDC Fish Kill Staff** should be notified immediately. Others to consider for notification and report distribution include Water Pollution Branch, Drinking Water Branch, and the EPA.
- E-mail (January 4, 2005 memo on Guidance for EER E-Mail Messages) if an EER Response is made.

Duty Officer/OSC Considerations:

- If a waterway has been affected or threatened, then MDNR staff should respond regardless of whether MDC staff respond. If the report is received during normal business hours, then Regional Office water pollution staff should respond. If the report is received after hours, the duty officer should coordinate with the Regional Director to determine whether regional staff or EER staff need to respond.
- EER staff should be prepared to document the release using field equipment to determine pH, conductivity, temperature, dissolved oxygen, and to collect representative samples for ammonia analysis (refer to the contents of ESP's "CAFO Kit"). At a minimum the OSC should collect a sample at the source of contamination entering the waterway and at a point upstream to document background levels. To delineate the length of the impact, the waterway should also be sampled at other locations downstream of the release to a point where conditions appear to approach background conditions.
- Instruct RP to pump freestanding lagoon water back into system, holding tank, or land apply if field conditions allow.
- Normal background conductivity should be in the range of 600-800 μS/cm, pH should be in the range of 6-8, and dissolved oxygen should be > 5 mg/L.
- When collecting samples for ammonia analysis, it is **required** to determine both the pH and the temperature of the water at the same time that the ammonia sample is collected. Both pH and temperature values are needed to determine the toxicity of ammonia. The water sample must be preserved with H_2S0_4.